

04/04/01
J1093 U.S. PTO

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4-5-01

PTO/SB/05 (11-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 112025-0466

First Inventor Johannes Markus Hoerler et al.

Title METHOD AND APPARATUS FOR FAST ACKNOWLEDGEMENT
AND EFFICIENT SERVICING OF INTERRUPT SOURCES
COUPLED TO HIGH LATENCY PATHS

Express Mail Label No. EL605362966US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 23]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Pages 6]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement of Power of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: ____ /

Prior application information: Examiner ____

Group / Art Unit: ____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert @



el(here)

or ☐ Correspondence address below

Name

Michael E. Attaya

24267
PATENT TRADEMARK OFFICE

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Michael E. Attaya

Registration No. (Attorney/Agent)

31,731

Signature

Michael E. Attaya

Date

April 4, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 830

Complete If Known

Application Number	Not yet assigned
Filing Date	April 4, 2001
First Named Inventor	Johannes Markus Hoerler et al.
Examiner Name	Not yet assigned
Group / Art Unit	Not yet assigned
Attorney Docket No.	112025-0466

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 03-1237

Deposit Account Name Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Larg	Entity	Small	Entity	Fee	Fee	Fee	Fee	Fee Description	Fee Paid
C d	(\$)	Code	(\$)						
101	710	201	35	Utility filing fee	710				
106	320	206	160	Design filing fee					
107	490	207	245	Plant filing fee					
108	710	208	355	Reissue filing fee					
114	150	214	75	Provisional filing fee					
SUBTOTAL (1)					(\$)	710			

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
20 - 20** = 0 x 18 = 0			
Independent Claims 4 - 3** = 1 x 80 = 80			
Multiple Dependent			0

**or number previously paid, if greater; For Reissues, see below

Larg	Entity	Small	Entity	Fee	Fee	Fee	Fee	Fee Description
C d	(\$)	Code	(\$)					
103	18	203	9	Claims in excess of 20				
102	80	202	40	Independent claims in excess of 3				
104	270	204	135	Multiple dependent claim, if not paid				
109	80	209	40	**Reissue independent claims over original patent				
110	18	210	9	**Reissue claims in excess of 20 and over original patent				
SUBTOTAL (2)					(\$)	80		

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large	Entity	Small	Entity	Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Code	(\$)	Code	(\$)						
105	130	205	65	Fee Surcharge - late filing fee or oath					
127	50	227	25	Surcharge - late provisional filing fee or cover sheet					
139	130	139	130	Non-English Specification					
147	2,520	147	2,520	For filing a request for reexamination					
112	920	112	920*	Requesting publication of SIR prior to Examiner action					
113	1,840	113	1,840*	Requesting publication of SIR after Examiner action					
115	110	215	55	Extension for reply within first month					
116	390	216	195	Extension for reply within second month					
117	890	217	445	Extension for reply within third month					
118	1,390	218	695	Extension for reply within fourth month					
128	1,890	128	945	Extension for reply within fifth month					
119	310	219	155	Notice of Appeal					
120	310	220	155	Filing a brief in support of an appeal					
121	270	221	135	Request for oral hearing					
138	1,510	138	1,510	Petition to institute a public use proceeding					
140	110	240	55	Petition to revive - unavoidable					
141	1,240	241	620	Petition to revive - unintentional					
142	1,240	242	620	Utility Issue fee (or reissue)					
143	440	243	220	Design Issue fee					
144	600	244	300	Plant Issue fee					
122	130	122	130	Petitions to the Commissioner					
123	50	123	50	Petitions related to provisional applications					
126	240	126	240	Submission of Information Disclosure Stmt					
581	40	581	40	Recording each patent assignment per property (times number of properties)					40
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))					
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))					
Other (specify)									
Other fee (specify)									
SUBTOTAL (3)					(\$)	40			

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name

Michael E. Attaya

Signature

Michael E. Attaya

Date

April 4, 2001

Complete (if applicable)

Reg. Number

31,731

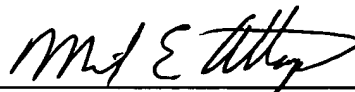
Deposit Account User ID

REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor Johannes Markus Hoerler et al.	
	Title	METHOD AND APPARATUS FOR FAST ACKNOWLEDGEMENT AND EFFICIENT SERVICING OF INTERRUPT SOURCES COUPLED TO HIGH LATENCY PATHS
	Any Docket Number	112025-0600

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

April 4, 2001

Date



Signature

Michael E. Attaya, 31,731

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Johannes Markus Hoerler et al.)
Serial No.: Not yet assigned) Examiner: Not yet assigned
Filed: April 4, 2001) Art Unit: Not yet assigned
For: METHOD AND APPARATUS FOR)
FAST ACKNOWLEDGEMENT)
AND EFFICIENT SERVICING OF)
INTERRUPT SOURCES COUPLED)
TO HIGH LATENCY PATHS)

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
April 4, 2001

EXPRESS-MAIL DEPOSIT

“Express Mail” Mailing-Label Number: EL605362966US

The following papers are being deposited with the United States Postal Service
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

<u>X</u> Patent Application (23 pages including 20 claims)	<u>X</u> Fee Transmittal Letter
<u>X</u> Declaration for Patent Application	<u>X</u> Assignment With Recordation Form
<u>X</u> Utility Patent Application Transmittal Letter	Cover Sheet
<u>X</u> Formal Drawing (9 sheets)	<u>X</u> Check in the amount of \$830.00
<u>X</u> Form PTO/SB/35	